

4.2.C. 0604000103 (Horse Creek).

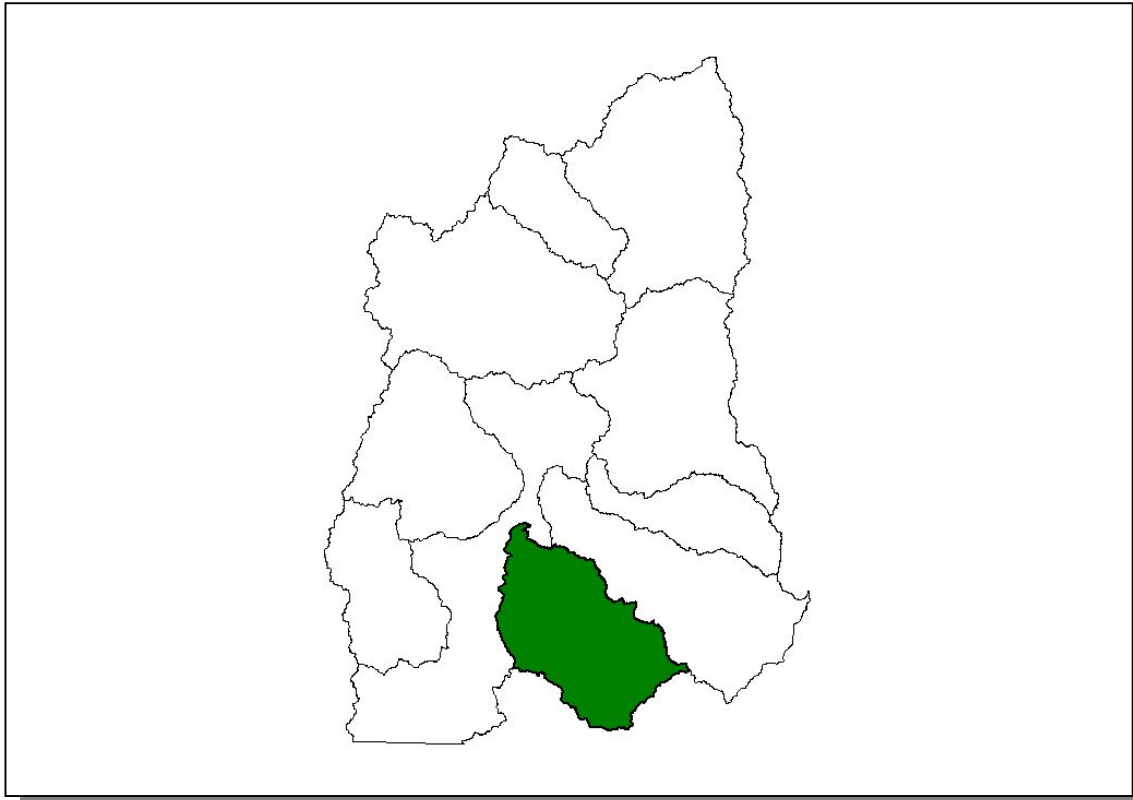


Figure 4-28. Location of Subwatershed 0604000103. All Tennessee Western Valley (Beech River) HUC-10 subwatershed boundaries in Tennessee are shown for reference.

4.2.C.i. General Description.

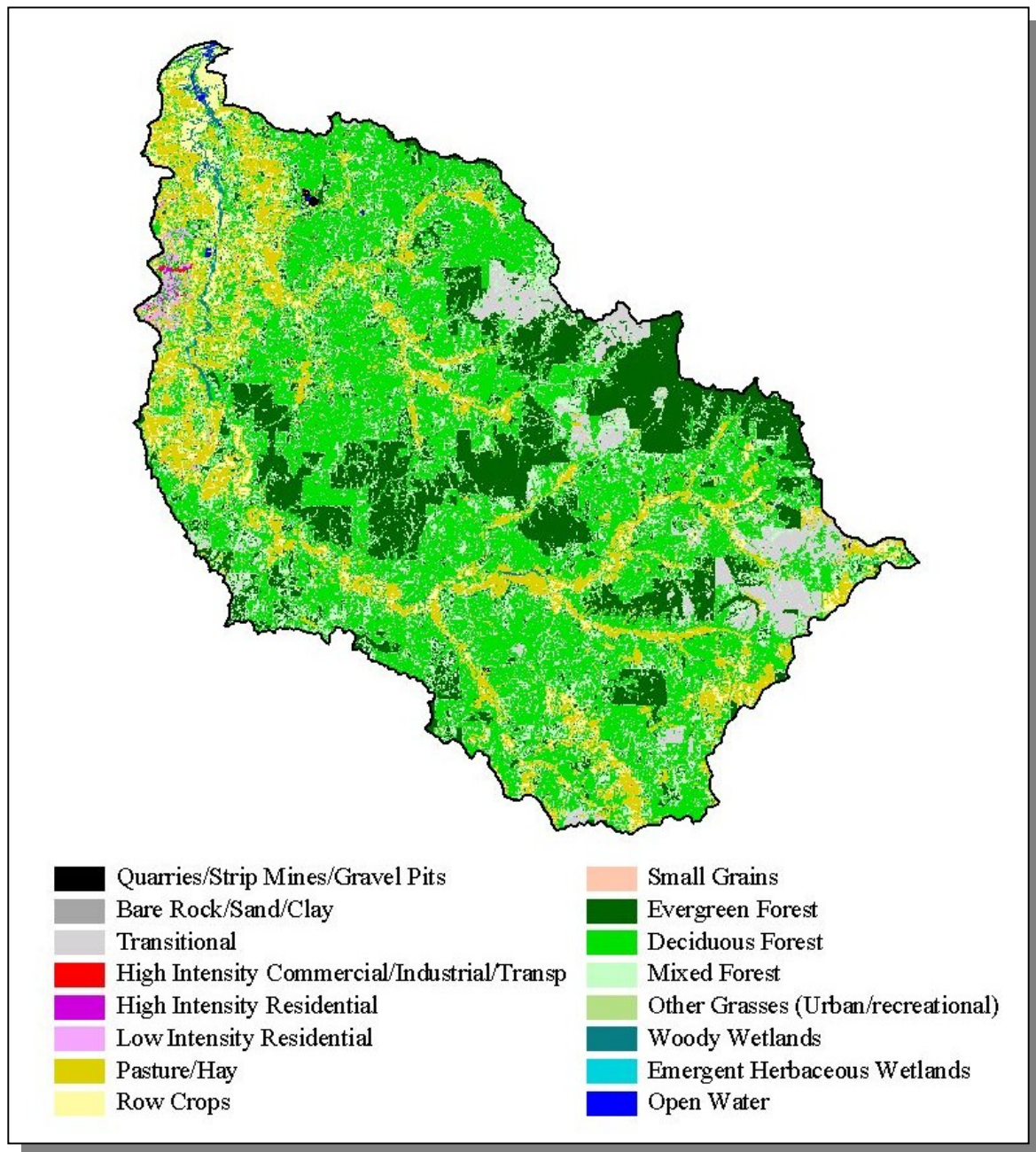


Figure 4-29. Illustration of Land Use Distribution in Subwatershed 0604000103.

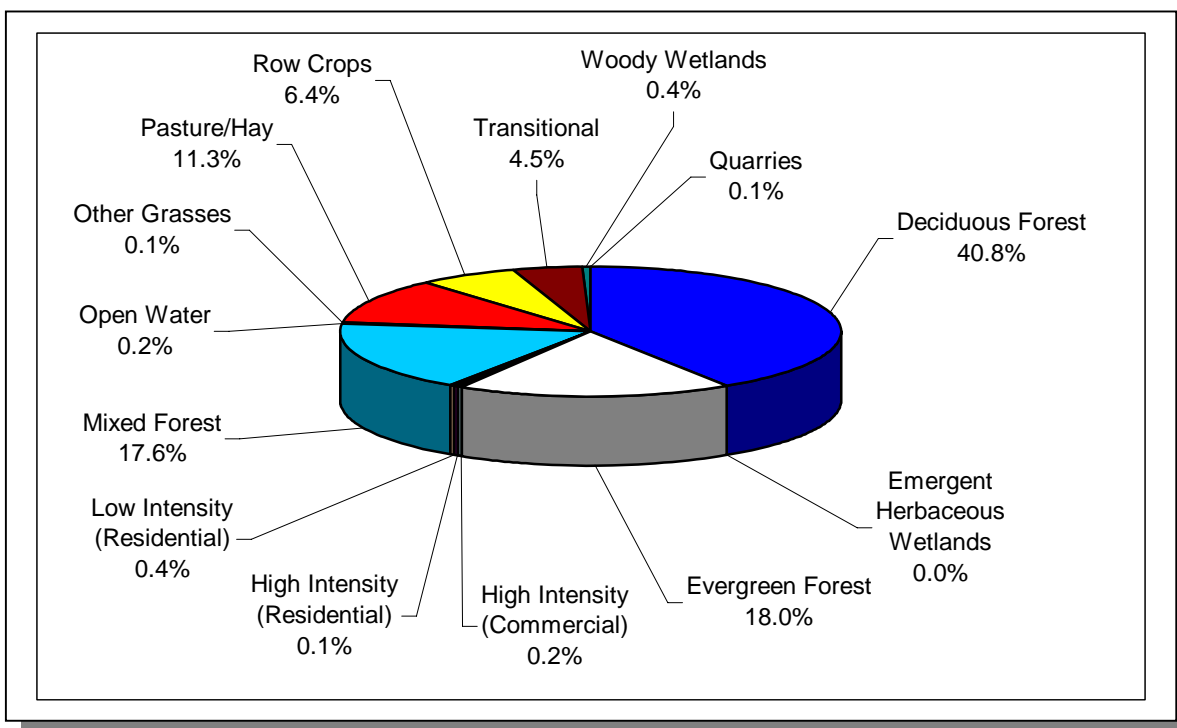


Figure 4-30. Land Use Distribution in Subwatershed 0604000103. More information is provided in Appendix IV.

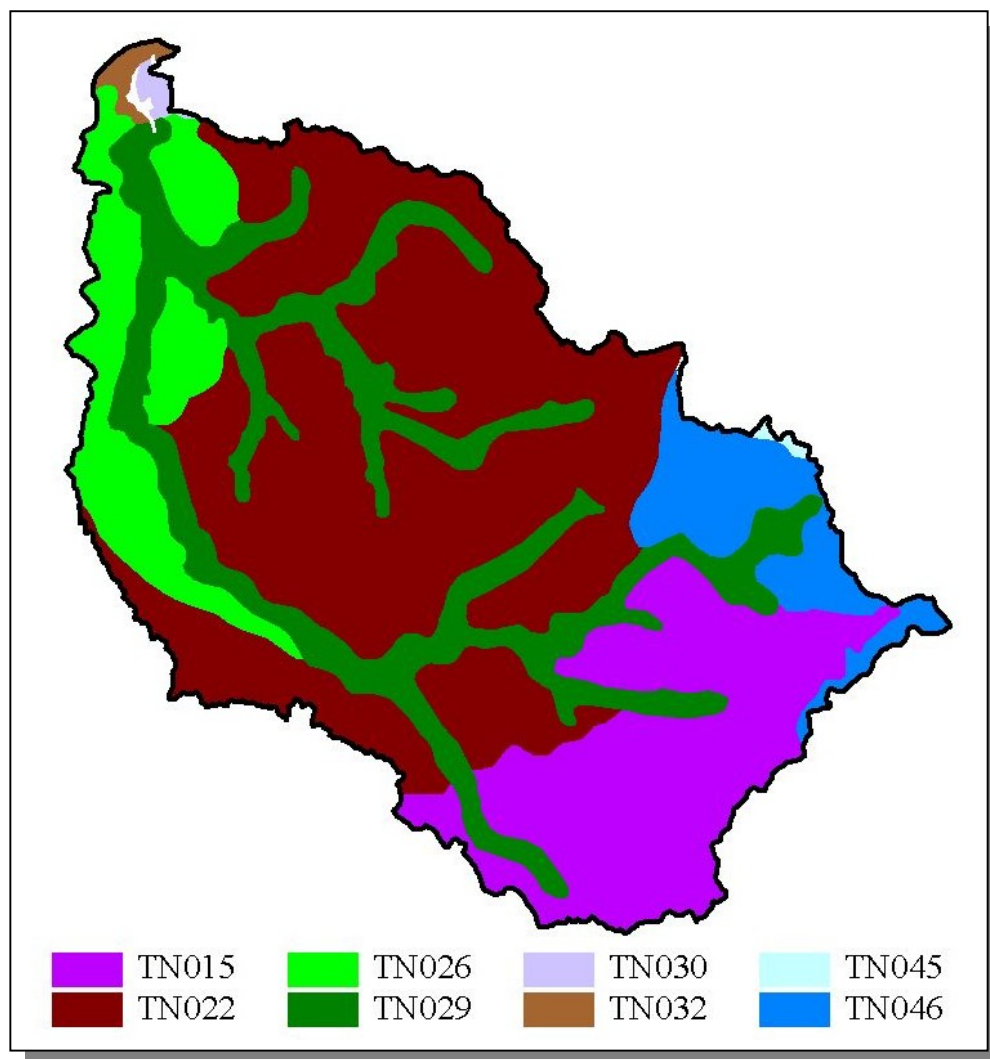


Figure 4-31. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000103.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN015	4.00	C	3.62	4.98	Sandy Loam	0.25
TN022	5.00	C	1.98	5.07	Loam	0.37
TN026	0.00	B	1.52	5.13	Silty Loam	0.40
TN029	8.00	C	2.96	5.40	Loam	0.33
TN030	2.00	B	1.84	5.06	Loam	0.33
TN032	19.00	C	1.21	5.51	Silty Loam	0.37
TN045	0.00	B	1.95	5.45	Loam	0.35
TN046	0.00	B	1.98	5.09	Silty Loam	0.38

Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 0604000103. More information is provided in Appendix IV.

County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-1997)
	1990	1997	2000		1990	1997	2000	
Hardin	22,633	24,816	25,578	30.48	6,898	7,563	7,796	13.0
Wayne	13,935	16,498	16,842	1.52	211	250	255	20.9
Totals	36,568	41,314	42,420		7,109	7,813	8,051	13.3

Table 4-20. Population Estimates in Subwatershed 0604000103.

Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Savannah	Hardin	6,569	2,782	2,719	63	0

Table 4-21. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 0604000103.

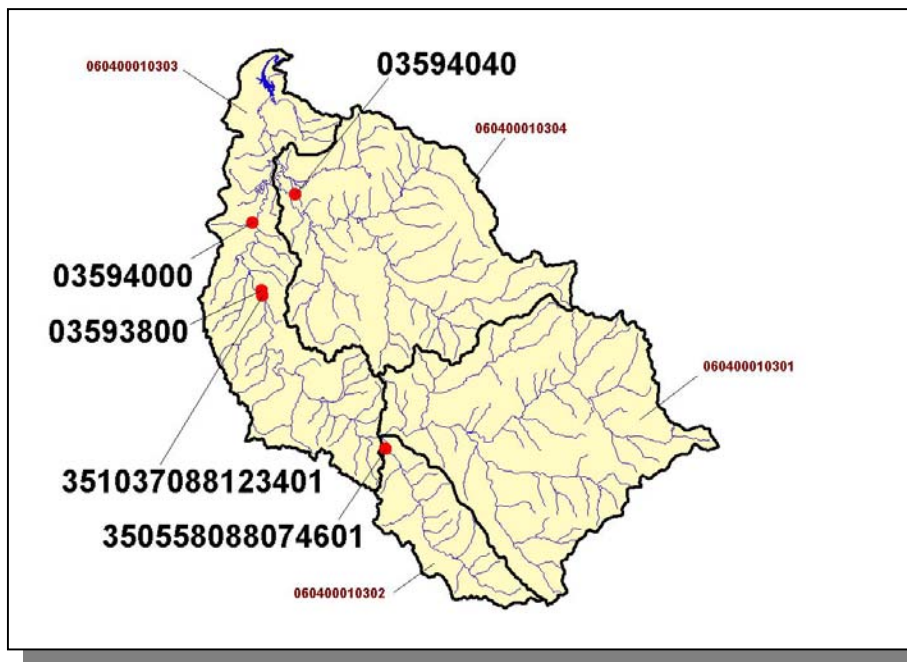


Figure 4-32. Location of Historical Streamflow Data Collection Sites in Subwatershed 0604000103. Subwatershed 060400010301, 060400010302, 060400010303, and 060400010304 boundaries are shown for reference. More information is provided in Appendix IV.

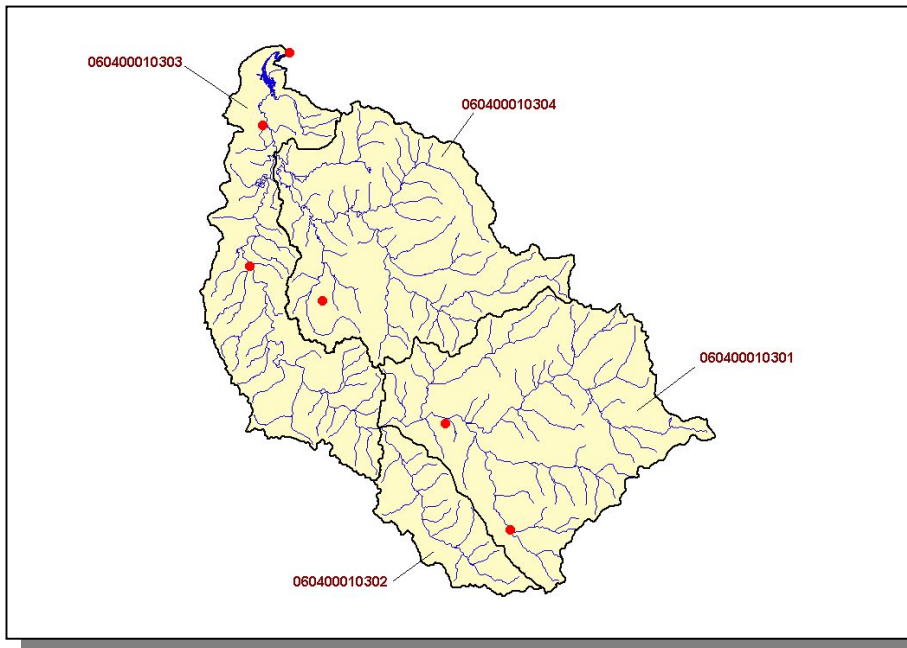


Figure 4-33. Location of STORET Monitoring Sites in Subwatershed 0604000103. Subwatershed 060400010301, 060400010302, 060400010303, and 060400010304 boundaries are shown for reference. More information, including site names and locations, is provided in Appendix IV.

4.2.C.ii. Point Source Contributions.

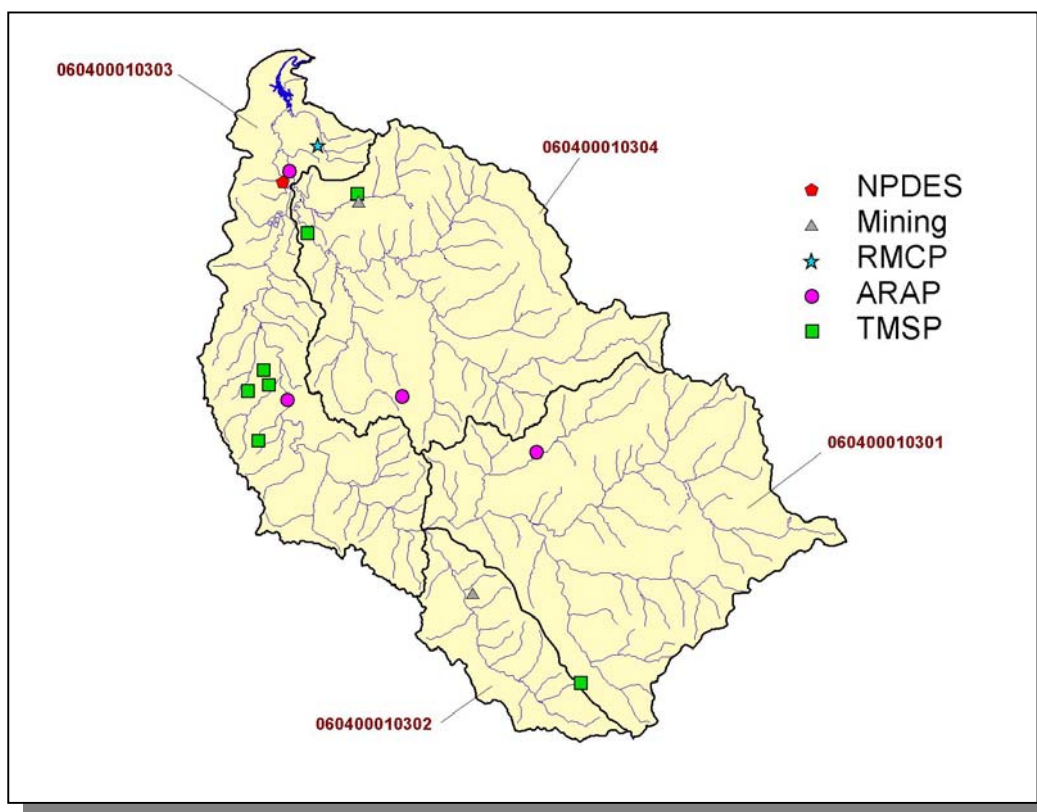


Figure 4-34. Location of Active Point Source Facilities in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

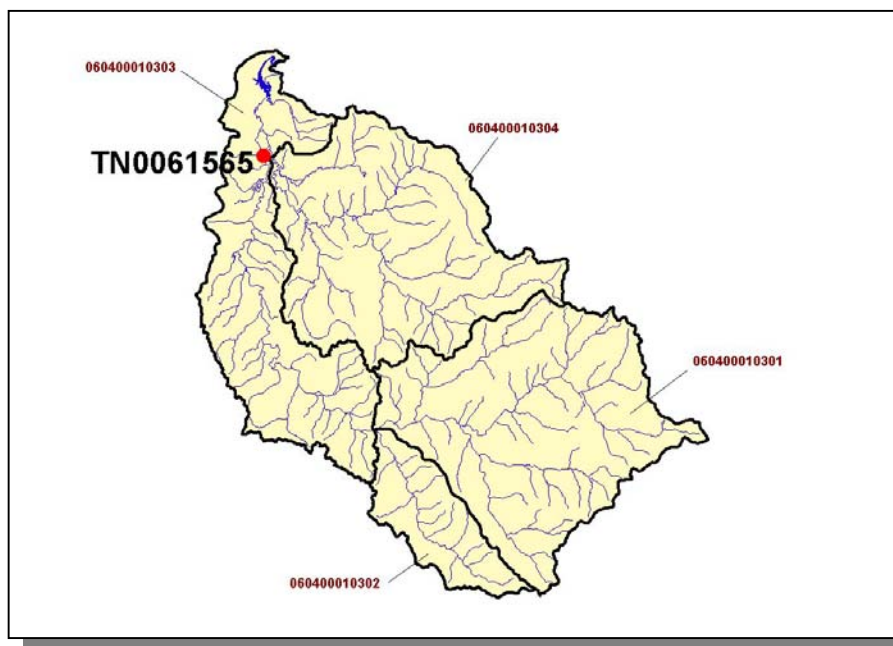


Figure 4-35. Location of NPDES Facilities in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

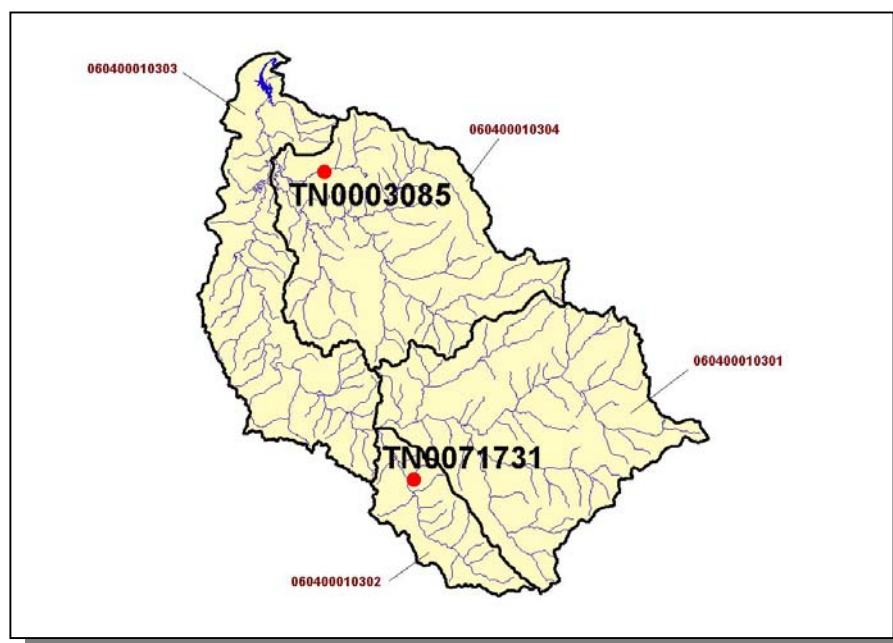


Figure 4-36. Location of Active Mining Facilities in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

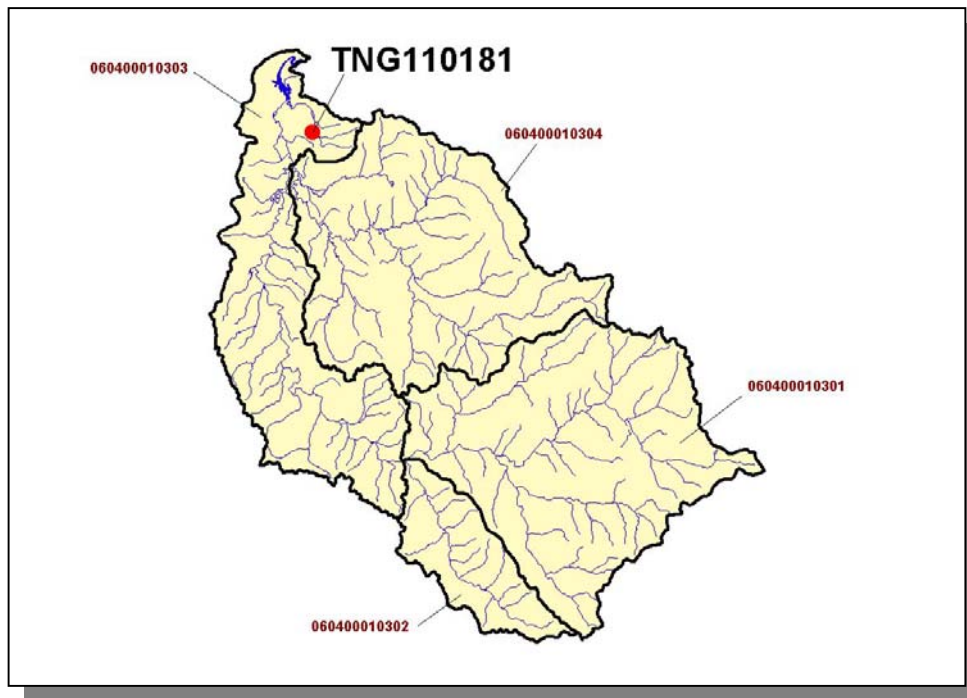


Figure 4-37. Location of Ready Mix Concrete Plants in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

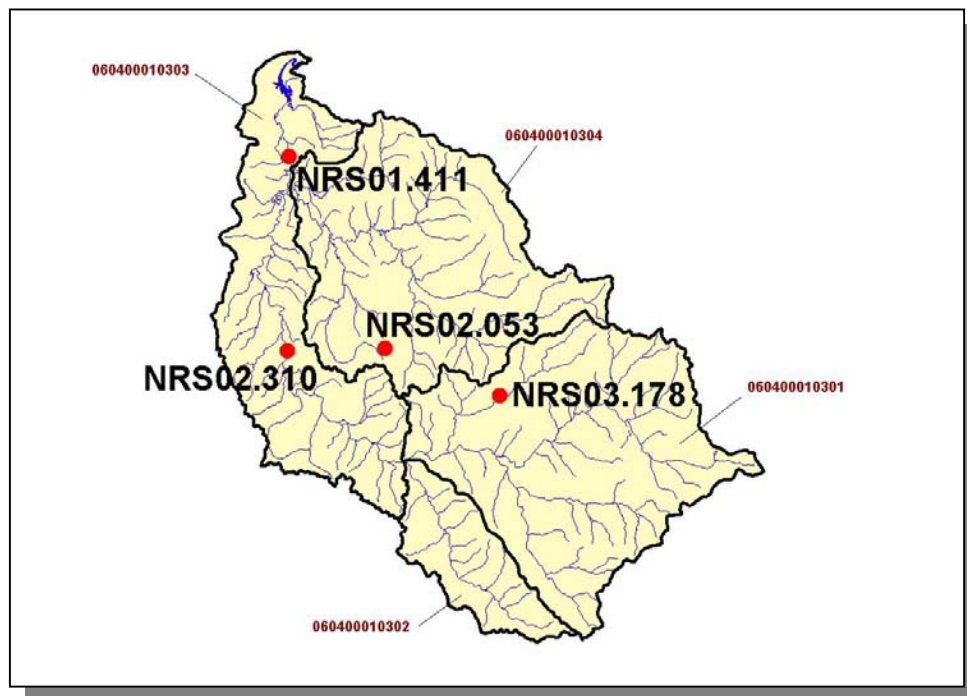


Figure 4-38. Location of ARAP Sites (Individual Permits) in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

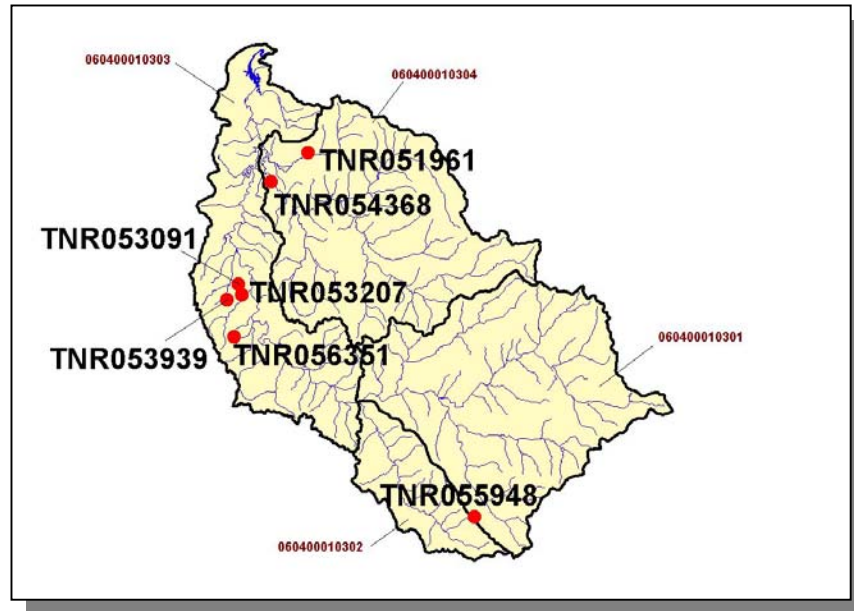


Figure 4-39. Location of TMSP Facilities in Subwatershed 0604000103. Subwatershed 0604000103, 0604000103, 0604000103, and 0604000103 boundaries are shown for reference. More information, including the names of facilities, is provided in Appendix IV.

4.2.C.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
2,053	3,942	<5	6	<5	1,053	26

Table 4-22. Summary of Livestock Count Estimates in Subwatershed 0604000103. According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Hardin	219.9	219.9	6.5	27.6
Wayne	372.6	392.6	14.1	41.1
Totals	592.5	592.5	20.6	68.7

Table 4-23. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 0604000103.

CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.15
Grass (Hayland)	0.30
Legumes, Grass (Hayland)	0.46
Grass, Forbs, Legumes (Mixed Pasture)	0.44
Forest Land (Not Grazed)	0.00
Forest Land (Grazed)	0.00
Corn (Row Crops)	4.15
Cotton (Row Crops)	2.63
Soybeans (Row Crops)	13.10
Wheat (Close-Grown Cropland)	3.93
All Other Close-Grown Cropland	5.50
Other Cropland not Planted	9.54
Conservation Reserve Program Lands	0.35
Non-Agricultural Land Use	0.00
Farmsteads and Ranch Headquarters	0.39

Table 4-24. Annual Estimated Total Soil Loss in Subwatershed 0604000103.